

LS ANSWER 41 OF 97 CA COPYRIGHT 2001 ACS  
 AN 113:83892 CA  
 TI Manufacture of **calcium silicate** articles useful as  
 thermal **insulators** and building materials  
 IN Kakimoto, Katsumi; Shibahara, Kazuo  
 PA Osaka Packing Mfg. Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 7 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 IC ICM C04B028-18  
 ICI C04B028-18, C04B022-08  
 CC 58-4 (Cement, Concrete, and Related Building Materials)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 01298051	A2	19891201	JP 1988-129609	19880526
	JP 2631304	B2	19970716		
AB	In the manuf. of Ca silicate articles by prepg. an aq. slurry of Ca silicate crystals by the hydrothermal reaction of an aq. raw slurry				
contg.	SiO <sub>2</sub> and <b>lime</b> under elevated pressure, shaping the Ca silicate slurry, and drying; the raw slurry contains M (M = Na and/or K) silicate. Preferably, the amt. of the silicate is controlled such that the M <sub>2</sub> O/(Si and Ca source) wt. ratio is 0.3-3%. These articles are lightwt., have high strength and wear resistance, and do not corrode metals.				
ST	<b>calcium silicate</b> building material; thermal <b>insulator calcium silicate</b> ; hydrothermal reaction <b>calcium silicate</b> manuf; sodium silicate				